

GENERAL POWER OF ATTORNEY
(Concerning Several International Patent Applications)

The undersigned, JAMES L. JERSILD, Vice Chairman of the Patent Board, of E. I. DU PONT DE NEMOURS AND COMPANY, 1007 Market Street, Wilmington, Delaware 19898 US, ("DuPont"), hereby confirms that the power to sign for DuPont has been granted to various individuals (as set forth in the attached excerpt from DuPont's Patent Board Rules of Procedure (Jan. 1988), Appendix Section III.A.4), including the Chairman, Vice-Chairman and those individuals who are Assistant Secretaries of the Patent Board. Currently these Assistant Secretaries are:

Alanson G. Bowen, Jr.

Theodore C. Gregory

Miriam D. Meconnahey

The present Vice Chairman of the Patent Board is JAMES L. JERSILD.

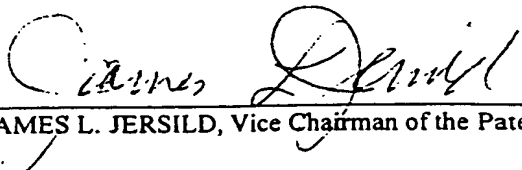
In addition, the authority to act on behalf of DuPont before the competent International Authorities in connection with any and all international patent applications filed by it with the United States of America as Receiving Office and to make or receive payments on its behalf is hereby granted to:

NAME	REG. #	NAME	REG. #	NAME	REG. #
BIRCH, Linda D.	<u>38,719</u>	GRIFFITHS, JOHN E.	<u>32,647</u>	MEDWICK, George M.	<u>27,456</u>
BOWEN Jr., Alanson G.	<u>24,027</u>	HAMBY, Jane O.	<u>32,872</u>	MORRISSEY, Bruce W.	<u>30,663</u>
BROWDER, Monte R.	<u>36,761</u>	HAMBY, William H.	<u>31,521</u>	MOYLES, Lisa J.	<u>P-40,737</u>
BURGESS, Richard H.	<u>22,292</u>	HEISER, David E.	<u>31,366</u>	SANTOPIETRO, Lois A.	<u>36,264</u>
56-CHRISTENBURY, Lynne M.	<u>30,971</u>	HENDRICKSON, John S.	<u>30,847</u>	SCHAEFFER, Andrew L.	<u>33,605</u>
COSTELLO, James A.	<u>24,396</u>	HIGGS, W. Victor	<u>25,877</u>	SHAFER, Robert J.	<u>24,437</u>
DEITCH, Gerald E.	<u>30,457</u>	JACONETTY, Kenneth E.	<u>32,508</u>	SHIPLEY, James E.	<u>32,003</u>
DUFFY, Roseanne R.	<u>33,869</u>	JERSILD, James L.	<u>25,594</u>	SIEGELL, Barbara C.	<u>30,684</u>
DULL, John E.	<u>20,822</u>	KATZ, Elliott A.	<u>26,396</u>	STEVENSON, Robert B.	<u>26,039</u>
ESTRIN, Barry	<u>26,452</u>	KELLY, Patricia L.	<u>39,247</u>	STRICKLAND, Frederick D.	<u>39,041</u>
EVANS, Craig H.	<u>31,825</u>	KING, Karen K.	<u>34,850</u>	SULLIVAN, Daniel W.	<u>34,937</u>
FLOYD, Linda Axamethy	<u>33,692</u>	KLOCKO III, John J.	<u>24,059</u>	SUTHERLAND, Hoge T.	<u>20,010</u>
FORSTNER, James A.	<u>24,259</u>	KRUKIEL, Charles E.	<u>27,344</u>	TESSARI, Joseph A.	<u>32,177</u>
FRANK, George A.	<u>27,636</u>	LEVITT, Cary A.	<u>31,848</u>	TOCKER, Edwin	<u>20,341</u>
FRICKE, Hilmar L.	<u>22,384</u>	MAGEE, Thomas H.	<u>27,355</u>	TOWLER III, Oscar A.	<u>33,803</u>
GOLIAN, Andrew G.	<u>25,293</u>	MAJARIAN, William R.	<u>P41,173</u>	TULLOCH, Rebecca W.	<u>36,297</u>
GORMAN, Thomas W.	<u>31,959</u>	MALINOWSKI, Andrea V.	<u>33,012</u>	WALKER, P. Michael	<u>32,602</u>
GOULD, David J.	<u>25,338</u>	MAYER, Nancy S.	<u>29,190</u>	YUN, Caroline J.	<u>34,952</u>
GREGORY, Theodore C.	<u>25,243</u>	McGEE, Patricia	<u>37,391</u>		

The undersigned ratifies fully all actions already taken by the above-named individuals in accordance with the authority granted hereby.

E. I. DU PONT DE NEMOURS AND COMPANY

By:


JAMES L. JERSILD, Vice Chairman of the Patent Board

Date:

7/30/91